

Substitute Specification

This preliminary amendment amends the specification to improve readability and correct numerous typographical and grammatical errors. For the Examiner's convenience, a substitute specification is also attached along with a marked-up copy of the substitute specification showing the matter being added to and deleted from the original specification. Applicants believe that this preliminary amendment contains no new matter, and that the substitute specification thus includes no new matter.

The majority of the proposed specification amendments simply correct typographical and grammatical errors. An exception to this is the extensive insert on page 6, after line 7 to the "Summary of the Invention." This material being added to page 3 is a narrative, paraphrased version of claims 1-21 – which the law regards as part of the "written description" of the originally filed patent application.

While applicants have been careful in making these amendments not to inject any new concepts or other "new matter," applicants request the Examiner to carefully review the amendment and raise any "new matter" concerns he may have.

Revised Drawing

Applicants are also proposing to amend the drawing to include legends set forth in the specification. A new formal drawing including these legends is attached.

New Claims

Applicants have also canceled original claims 1-21 without prejudice or disclaimer, and have added new claims 22-32. These new claims are fully supported by

the original 2/22/95 specification. The following example comparison charts show example support in the originally filed specification for each elements recited in the new claims:

New Claim Language	Example Support in 2/22/95 Specification
22. A method of distributing satellite signals received by a satellite antenna via a coaxial cable to a satellite receiver coupled to an end of said coaxial cable, said coaxial cable also having a further end, said method comprising:	Figure 1, items 1, 13 and 27 and associated descriptions at e.g., page 8, lines 7-13.
receiving, with a satellite antenna, first signals having a first polarization and second signals having a second polarization;	Page 8, lines 4-8.
frequency converting at least said first received signals to a different frequency band;	Figure 1, items 2, 5, 7 and/or 8; page 8, lines 14-page 9, line 22
simultaneously applying said frequency-converted first signals and said second signals to the coaxial cable;	Page 9, lines 23-27; page 13, lines 10-12.
simultaneously communicating said frequency-converted first signals and said second signals through the cable;	Page 10, lines 3-5.
recovering the frequency-converted first signals and the second signals from the cable;	Page 10, lines 15-18, 25-27; Figure 1, items 20, 33; page 12, lines 11-16.
further frequency converting said recovered first signals to a frequency range the satellite receiver can receive; and	Figure 1, items 22-24, 35-37; page 11, lines 1-page 12, line 1; page 12, lines 17-19.
switching, under control of said satellite receiver, between said further frequency-converted first signals and said second signals for application to said satellite receiver.	Figure 1, item 39; page 12, line 25-page 13, line 3; original claim 6 (page 15, lines 12-15).
23. The method of claim 22 wherein said switching step comprising operating an electrical switch.	Figure 1, line between items 41, 39; page 12, line 25-page 13, line 3.

New Claim Language	Example Support in 2/22/95 Specification
24. A method of distributing broadcast signals received from an artificial satellite comprising:	Page 1, lines 13-16.
receiving first polarized signals and second polarized signals from the artificial satellite;	Page 8, lines 4-8.
frequency converting at least one of said first signals and said second signals to different frequencies;	Figure 1, items 2, 5, 7 and/or 8; page 8, lines 14-page 9, line 22
after processing by the frequency converting step, applying said first and second signals, to a coaxial cable such that the same coaxial cable carries both said first signals and said second signals simultaneously;	Page 9, lines 23-27; page 13, lines 10-12; page 10, lines 3-5.
recovering said first signals and said second signals from the coaxial cable; and	Page 10, lines 15-18, 25-27; Figure 1, items 20, 33; page 12, lines 11-16.
selecting between said first signals and said second signals for application to a satellite receiver.	Figure 1, item 39; page 12, line 25-page 13, line 3; original claim 6 (page 15, lines 12-15).
25. The method as in claim 24 wherein said selecting step comprises electrically switching between said first signals and said second signals for application to said satellite receiver.	Figure 1, item 39; page 12, line 25-page 13, line 3; original claim 6 (page 15, lines 12-15); Figure 1, line between items 41, 39; page 12, line 25-page 13, line 3.
26. The method of claim 24 wherein said satellite receiver alternately uses first polarity type signals or second polarity type signals at a time, and said selecting step selects only first polarity type signals or second polarity type signals at a time for application to said satellite receiver.	Figure 1, item 39; page 12, line 25-page 13, line 3; original claim 6 (page 15, lines 12-15); Figure 1, line between items 41, 39; page 12, line 25-page 13, line 3.
27. The method of claim 24 wherein said satellite receiver is coupled via a wire to an input source, and said selecting step selects between said first signals and said second signals for application to said wire.	Figure 1, item 40; Figure 1, item 39; page 12, line 25-page 13, line 3; original claim 6 (page 15, lines 12-15).
28. The method of claim 24 wherein said frequency converting step comprises a down conversion.	Figure 1, item 5; page 9, lines 9-10.

New Claim Language	Example Support in 2/22/95 Specification
29. The method of claim 24 wherein the frequency converting step comprises an up conversion.	Figure 1, item 7; page 9, lines 17-18.
30. The method of claim 24 wherein the frequency converting step comprises a down conversion followed by an up conversion.	Figure 1, items 7, 8; page 9, lines 17-19.
31. The method of claim 24 further including providing further frequency converting said at least one of said first signals and second signals for application to said satellite receiver.	Figure 1, items 22-24, 35-37; page 11, lines 1-page 12, line 1; page 12, lines 17-19.
32. A satellite broadcasting system comprising:	
a satellite dish;	Figure 1, item 1; page 8, lines 2-4.
a low-noise block converter coupled to the satellite dish;	Figure 1, item 2; page 8, lines 14 et seq.
a head-in processor that receives, from the low-noise block converter, both vertical polarization type satellite signals and horizontal polarization type satellite signals and applies both said vertical polarization type satellite signals and said horizontal polarization type satellite signals simultaneously to the same distribution cable; and	Figure 1, item 44; page 8, line 24 et seq.
a head-out processor adapted for, in use, being coupled to a satellite receiver of the type that alternately receives vertical polarization type satellite signals and horizontal polarization type satellite signals, said head-out processor being coupled to said distribution cable, said head-out processor selecting between said vertical polarization type satellite signals and said horizontal polarization type satellite signals being carried by said distribution cable for application to said satellite receiver.	Figure 1, items 45, 46; page 10, line 19 et seq.; Figure 1, item 39; page 12, line 25-page 13, line 3; original claim 6 (page 15, lines 12-15).

Information Disclosure Statement

Applicants also submit the listings from the in parent application Serial No. 09/001,484 or all references of record in that case. Applicants request the Examiner to consider each of these references in this case. For the Examiner's convenience, applicants are attaching copies of the listed items that are not U.S. patents. Upon request, applicants will also submit additional copies of the listed U.S. patents.

Request for Interview

Applicants await an early action on the merits. If the Examiner finds this case is not now in condition for allowance and believes that an interview prior to first action would be helpful in focussing and/or resolving issues, applicants request the Examiner to contact their representative at the telephone number listed below to arrange a telephonic or personal interview.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: 

Robert W. Faris
Reg. No. 31,352

RWF:lsp
1100 North Glebe Road, 8th Floor
Arlington, VA 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100